

ABSTRACT OF THE DISCLOSURE

A semiconductor integrated circuit device includes control circuits FRQCNT, VDCNT and VBBCNT that generate the optimum clock signal, supply voltage and substrate bias respectively and then supply them to a main circuit LSI. This operation makes it possible to suppress the variations of a CMOS circuit characteristic, thereby improving the circuit performance. Further, the low power consumption is realized without degrading the operating speed of the CMOS circuit or increasing the power consumption of the CMOS circuit.